

Title (en)

FUEL CELL PLATE STRUCTURE HAVING BAFFLES IN WET SEAL AREA

Title (de)

BRENNSTOFFZELLENPLATTENSTRUKTUR MIT PRALLBLECHEN IM NASSDICHTUNGSBEREICH

Title (fr)

STRUCTURE DE PLAQUE DE PILE À COMBUSTIBLE AYANT DES ENCEINTES EN ZONE ÉTANCHE HUMIDE

Publication

EP 2002500 A4 20110119 (EN)

Application

EP 07756434 A 20070124

Priority

- US 2007060985 W 20070124
- US 39615106 A 20060331

Abstract (en)

[origin: US2007231659A1] An assembly having fuel cell plate structure adapted for use in a fuel cell in which gas flow channels are arranged to carry process gas adjacent the active and wet seal areas of the fuel cell, the plate structure having one or more baffles arranged such that when the plate structure is in the fuel cell the baffles of the plate structure cause the process gas flowing adjacent the wet seal areas to be directed away from the wet seal areas and toward the active areas of the cell.

IPC 8 full level

H01M 8/02 (2006.01)

CPC (source: EP KR US)

H01M 8/02 (2013.01 - KR); **H01M 8/0247** (2013.01 - EP US); **H01M 8/0258** (2013.01 - EP); **H01M 8/026** (2013.01 - US); **H01M 8/0271** (2013.01 - EP US); **H01M 8/0282** (2013.01 - EP US); **H01M 8/04** (2013.01 - KR); **H01M 8/242** (2013.01 - US); **H01M 8/244** (2013.01 - EP); **H01M 8/023** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

- [X] GB 2163595 A 19860226 - OCCIDENTAL CHEM CO
- [X] JP 2003282098 A 20031003 - SUMITOMO PRECISION PROD CO
- [X] US 6344290 B1 20020205 - BOSSEL ULF G [CH]
- [A] DE 4443688 C1 19960328 - MTU FRIEDRICHSHAFEN GMBH [DE]
- See references of WO 2007117739A2

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

US 2007231659 A1 20071004; **US 7740988 B2 20100622**; CN 101411019 A 20090415; EP 2002500 A2 20081217; EP 2002500 A4 20110119; EP 2002500 B1 20191204; JP 2009532832 A 20090910; KR 101137055 B1 20120419; KR 20080109056 A 20081216; WO 2007117739 A2 20071018; WO 2007117739 A3 20080410

DOCDB simple family (application)

US 39615106 A 20060331; CN 200780010907 A 20070124; EP 07756434 A 20070124; JP 2009503102 A 20070124; KR 20087026625 A 20070124; US 2007060985 W 20070124